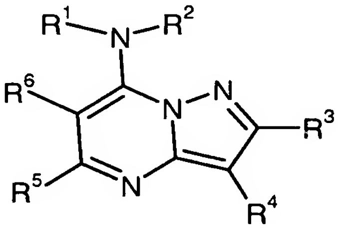
AMENDMENTS TO THE CLAIMS:

Please change the heading at page 60, line 1, from "**Claims**" to --WHAT IS CLAIMED IS:--

The following listing of claims will replace all prior versions of claims in the application.

Claims 1-10 (canceled)

-- Claim 11 (new): A pyrazolopyrimidine of formula (I)



(I)

in which

R^1 represents hydrogen, optionally substituted alkyl, optionally substituted alkenyl, optionally substituted alkynyl, optionally substituted cycloalkyl, or optionally substituted heterocyclyl,

R^2 represents hydrogen or alkyl, or

R^1 and R^2 together with the nitrogen atom to which they are attached represent an optionally substituted heterocyclic ring,

R^3 represents hydrogen, halogen, optionally substituted alkyl, or optionally substituted cycloalkyl,

R^4 represents a radical of the formula $-\underset{\displaystyle NH_2}{\underset{|}{C}}=X$, in which

X represents an oxygen atom, an HN group, an HO-N group, or Z-O-N=, and

Z represents optionally substituted alkyl or aralkyl; or

represents a radical of the formula $-\underset{\displaystyle R^7}{\underset{|}{C}}=N-R^8$, in which

R^7 represents hydrogen or alkyl, and

R^8 represents optionally substituted alkyl, optionally substituted alkyl, optionally substituted phenyl, or optionally substituted phenylamino,

R^5 represents halogen, optionally substituted alkylthio, optionally substituted alkylsulfinyl, or optionally substituted alkylsulfonyl, and

R^6 represents optionally substituted aryl.

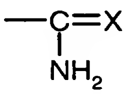
Claim 12 (new): A pyrazolopyrimidine of formula (I) as claimed in Claim 11 in which

R^1 represents hydrogen, alkyl having 1 to 6 carbon atoms that is optionally mono- to penta-substituted by identical or different substituents selected from the group consisting of halogen, cyano, hydroxyl, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 6 carbon atoms; represents alkenyl having 2 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, hydroxyl, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 6 carbon atoms; represents alkynyl having 3 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen, cyano, alkoxy having 1 to 4 carbon atoms, and cycloalkyl having 3 to 6 carbon atoms; represents cycloalkyl having 3 to 6 carbon atoms that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of halogen and alkyl having 1 to 4 carbon atoms; or represents saturated or unsaturated heterocyclyl having 5 or 6 ring members and 1 to 3 hetero atoms selected from the group consisting of nitrogen, oxygen, and sulfur, where the heterocyclyl is optionally mono- or disubstituted by halogen, alkyl having 1 to 4 carbon atoms, cyano, nitro, and/or cycloalkyl having 3 to 6 carbon atoms,

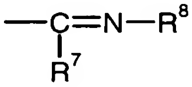
R^2 represents hydrogen or alkyl having 1 to 4 carbon atoms, or

R^1 and R^2 together with the nitrogen atom to which they are attached represent a saturated or unsaturated heterocyclic ring having 3 to 6 ring members, where the heterocycle optionally contains a further nitrogen, oxygen, or sulfur atom as ring member and where the heterocycle is optionally substituted up to three times by fluorine, chlorine, bromine, alkyl having 1 to 4 carbon atoms, and/or haloalkyl having 1 to 4 carbon atoms and 1 to 9 fluorine and/or chlorine atoms,

R^3 represents hydrogen, fluorine, chlorine, bromine, iodine, alkyl having 1 to 4 carbon atoms, haloalkyl having 1 to 4 carbon atoms and 1 to 9 halogen atoms, or represents cycloalkyl having 3 to 6 carbon atoms,

R^4 represents a radical of the formula  $-\underset{\mathrm{NH_2}}{\mathrm{C}}{=}\mathrm{X}$, in which

X represents an oxygen atom, an HN group or an HO-N group; or

represents a radical of the formula  $-\underset{R^7}{\mathrm{C}}{=}\mathrm{N}-R^8$, in which

R^7 represents hydrogen or alkyl having 1 to 4 carbon atoms, and

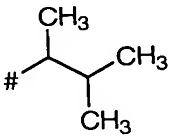
R^8 represents hydroxyl; represents alkyl having 1 to 4 carbon atoms, where each of the alkyl radicals is optionally mono- or disubstituted by alkoxy having 1 to 4 carbon atoms, alkylcarbonyl having 1 to 3 carbon atoms in the alkyl moiety, and/or alkoxycarbonyl having 1 to 3 carbon atoms in the alkoxy moiety; or represents phenyl that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, halogen, nitro, and haloalkyl having 1 to 4 carbon atoms and 1 to 5 halogen atoms; or represents phenylamino that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of alkyl having 1 to 4 carbon atoms, alkoxy having 1 to 4 carbon atoms, halogen, nitro, and haloalkyl having 1 to 4 carbon atoms and 1 to 5 halogen atoms,

R^5 represents fluorine, chlorine, bromine, alkoxy having 1 to 4 carbon atoms, alkylthio having 1 to 4 carbon atoms, alkylsulfinyl having 1 to 4 carbon atoms, or alkylsulfonyl having 1 to 4 carbon atoms, and

R^6 represents phenyl that is optionally mono- to tetrasubstituted by identical or different substituents selected from the group consisting of halogen, cyano, nitro, amino, hydroxyl, formyl, carboxyl, carbamoyl, thiocarbamoyl, of straight-chain or branched alkyl, alkoxy, alkylthio, alkylsulfinyl, or alkylsulfonyl having in each case 1 to 6 carbon atoms, of straight-chain or branched alkenyl or alkenyloxy having in each case 2 to 6 carbon atoms, of straight-chain or branched haloalkyl, haloalkoxy, haloalkylthio, haloalkylsulfinyl, or haloalkylsulfonyl having in each case 1 to 6 carbon atoms and 1 to 13 identical or different halogen atoms, of straight-chain or branched haloalkenyl or haloalkenyloxy having in each case 2 to 6 carbon atoms and 1 to 11 identical or different halogen atoms, of straight-chain or branched alkylamino, dialkylamino, alkylcarbonyl, alkylcarbonyloxy, alkoxycarbonyl, alkylsulfonyloxy, hydroximinoalkyl, or alkoximinoalkyl having in each case 1 to 6 carbon atoms in the individual alkyl moieties, of cycloalkyl having 3 to 6 carbon atoms, and of 2,3-attached 1,3-propanediyl, 1,4-butanediyl, methylenedioxy (-O-CH_2-O-) or 1,2-ethylenedioxy (-O-CH_2-CH_2-O-) that are optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of halogen, alkyl having 1 to 4 carbon atoms, and haloalkyl having 1 to 4 carbon atoms and 1 to 9 identical or different halogen atoms.

Claim 13 (new): A pyrazolopyrimidine of formula (I) as claimed in Claim 1 in which

R^1 represents hydrogen or a radical of the formula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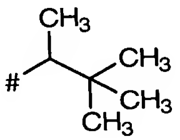
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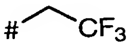
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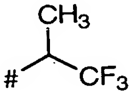
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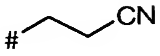
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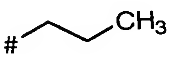
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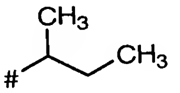
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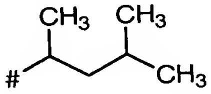
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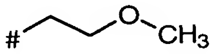
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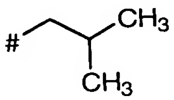
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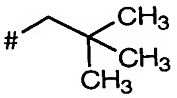
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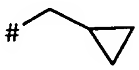
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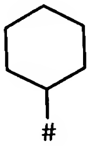
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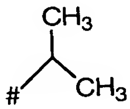
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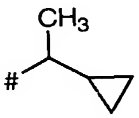
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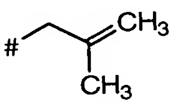
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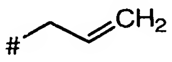
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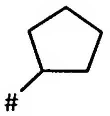
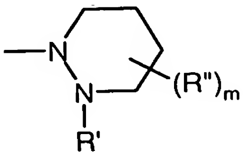


,

where # denotes the point of attachment,

R^2 represents hydrogen, methyl, ethyl, or propyl, or

R^1 and R^2 together with the nitrogen atom to which they are attached represent pyrrolidinyl, piperidinyl, morpholinyl, thiomorpholinyl, piperazinyl, 3,6-dihydro-1(2H)-piperidinyl, or tetrahydro-1(2H)-pyridazinyl, where each of the radicals is optionally substituted by 1 to 3 fluorine atoms, 1 to 3 methyl groups, and/or trifluoromethyl; or represent a radical of the formula



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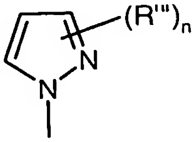


,

in which

R' represents hydrogen or methyl,

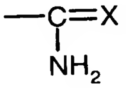
R" represents methyl, ethyl, fluorine, chlorine, or trifluoromethyl,

m represents the number 0, 1, 2, or 3, where R" represents identical or different radicals if m represents 2 or 3,

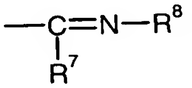
R"' represents methyl, ethyl, fluorine, chlorine, or trifluoromethyl, and

n represents the number 0, 1, 2, or 3, where R"' represents identical or different radicals if n represents 2 or 3,

R^3 represents hydrogen, fluorine, chlorine, bromine, iodine, methyl, ethyl, isopropyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, trifluoromethyl, 1-trifluoromethyl-2,2,2-trifluoroethyl, or heptafluoroisopropyl,

R^4 represents a radical of the formula  $-\underset{NH_2}{\underset{|}{C}}=X$, in which

X represents an oxygen atom, a sulfur atom, an HN or an HO-N group; or

represents a radical of the formula  $-\underset{R^7}{\underset{|}{C}}=N-R^8$, in which

R^7 represents hydrogen, methyl, or ethyl and

R^8 represents alkyl having 1 or 2 carbon atoms, where each of the alkyl radicals is optionally substituted by methoxy, ethoxy, methylcarbonyl, ethylcarbonyl, methoxycarbonyl, or ethoxycarbonyl; represents phenyl that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of methyl, ethyl, methoxy, ethoxy, fluorine, chlorine, bromine, nitro, and trifluoromethyl; or represents phenylamino that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of methyl, ethyl, methoxy, ethoxy, fluorine, chlorine, bromine, nitro, and trifluoromethyl,

R^5 represents fluorine, chlorine, bromine, methoxy, ethoxy, methylthio, methylsulfinyl, or methylsulfonyl, and

R^6 represents phenyl that is optionally mono- to trisubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, formyl, methyl, ethyl, n- or i-propyl, n-, i-, s-, or t-butyl, allyl, propargyl, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, ethylsulfonyl, allyloxy, propargyloxy, trifluoromethyl, trifluoroethyl, difluoromethoxy, trifluoromethoxy, difluorochloromethoxy, trifluoroethoxy, difluoromethylthio, difluorochloromethylthio, trifluoromethylthio, trifluoromethylsulfinyl, trifluoromethylsulfonyl, trichloroethynyloxy, trifluoroethynyloxy, chloroallyloxy, iodopropargyloxy, methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetyl, propionyl, acetyloxy, methoxycarbonyl, ethoxycarbonyl, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, ethoximinomethyl, methoximinoethyl, ethoximinoethyl, cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl, or of 2,3-attached 1,3-propanediyl, methylenedioxy ($-O-CH_2-O-$), or 1,2-ethylenedioxy ($-O-CH_2-CH_2-O-$) that are optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, methyl, ethyl, n-propyl, i-propyl, and trifluoromethyl.

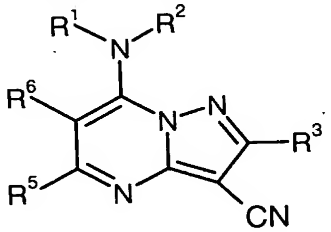
Claim 14 (new): A pyrazolopyrimidine of formula (I) as claimed in Claim 11 in which

R^5 represents fluorine, chlorine, bromine, methoxy, or methylthio, and

R^6 represents 2,4-, 2,5- or 2,6-disubstituted phenyl, 2-substituted phenyl, or 2,4,6-trisubstituted phenyl, where the substituents are selected from the group consisting of fluorine, chlorine, bromine, cyano, nitro, formyl, methyl, ethyl, n- or i-propyl, n-, i-, s-, or t-butyl, allyl, propargyl, methoxy, ethoxy, n- or i-propoxy, methylthio, ethylthio, n- or i-propylthio, methylsulfinyl, ethylsulfinyl, methylsulfonyl, ethylsulfonyl, allyloxy, propargyloxy, trifluoromethyl, trifluoroethyl, difluoromethoxy, trifluoromethoxy, difluorochloromethoxy, trifluoroethoxy, difluoromethylthio, difluorochloromethylthio, trifluoromethylthio, trifluoromethylsulfinyl, trifluoromethylsulfonyl, trichloroethynyloxy, trifluoroethynyloxy, chloroallyloxy, iodopropargyloxy, methylamino, ethylamino, n- or i-propylamino, dimethylamino, diethylamino, acetyl, propionyl, acetyloxy, methoxycarbonyl, ethoxycarbonyl, hydroximinomethyl, hydroximinoethyl, methoximinomethyl, ethoximinomethyl, methoximinoethyl, ethoximinoethyl, cyclopropyl, cyclobutyl, cyclopentyl, and cyclohexyl, and of 2,3-attached 1,3-propanediyl, methylenedioxy ($-O-CH_2-O-$) or 1,2-ethylenedioxy ($-O-CH_2-CH_2-O-$) that are optionally mono- or polysubstituted by identical or different substituents selected from the group consisting of fluorine, chlorine, methyl, ethyl, n-propyl, i-propyl, and trifluoromethyl.

Claim 15 (new): A process for preparing pyrazolopyrimidines of formula (I) as claimed in Claim 11 comprising

(a) reacting a cyano compound of formula (II)



(II)

in which R^1, R^2, R^3, R^5, and R^6 are as defined for formula (I) of Claim 11,

either with

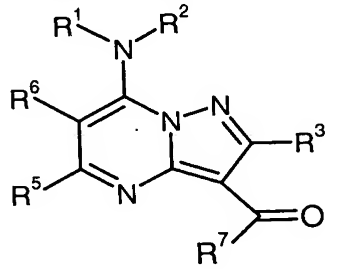
(α) an acid and water, optionally in the presence of a diluent,

(ß) hydroxylamine or a hydroxylammonium salt in the presence of a diluent and, optionally, in the presence of a catalyst, or

(γ) ammonium chloride in the presence of a base and in the presence of a diluent,

or

(b) reacting a carbonyl compound of formula (III)



(III)

in which R^1, R^2, R^3, R^5, R^6, and R^7 are as defined for formula (I) of Claim 11,

with an amino compound of formula (IV)

$H_2N\text{-}R^8$ (IV)

in which R^8 is as defined for formula (I) of Claim 11,

where the amino compound of formula (IV) is optionally employed in the form of an acid addition salt,

in the presence of a diluent and optionally in the presence of a catalyst.

Claim 16 (new): A composition for controlling unwanted microorganisms comprising one or more pyrazolopyrimidines of formula (I) according to Claim 11 and one or more extenders and/or surfactants.

Claim 17 (new): A composition as claimed in Claim 16 additionally comprising one or more additional fungicidally or insecticidally active compounds.

Claim 18 (new): A method for controlling unwanted microorganisms comprising applying an effective amount of a pyrazolopyrimidine of formula (I) according to Claim 11 to the unwanted microorganisms and/or their habitat.

Claim 19 (new): A process for preparing compositions for controlling unwanted microorganisms comprising mixing one or more pyrazolopyrimidines of formula (I) according to Claim 11 with one or more extenders and/or surfactants. --